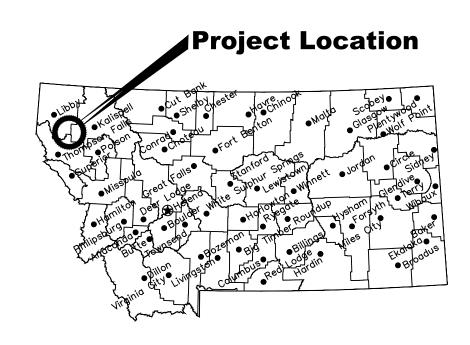
MONTANA FISH, WILDLIFE & PARKS

Logan State Park **Boat Ramp Improvements**

Near Happy's Inn, MT

FWP# 7136353



North

Project Location

Vicinity Map

SANDERS CO

DRAWING INDEX

Location Map

MONTANA FISH, WILDLIFE AND PARKS DESIGN AND CONSTRUCTION

MAILING ADDRESS: PHYSICAL ADDRESS: PO BOX 200701 1522 9th AVENUE HELENA, MT 59620-0701 HELENA, MT 59601

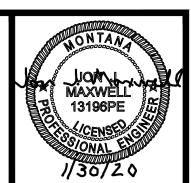
TEL 406.841.4000 FAX 406.841.4004

fwp.mt.gov/Doing Business/Design&Construction

SHEET NO.

TITLE SHEET

- **EXISTING CONDITIONS**
- RAMP SITE PLAN
- RAMP CROSS-SECTIONAL VIEWS
- RAMP DETAILS
- PARKING LOT SEAL & STRIPING



J. MAXWELL		1/28/20
DRAWN BY:	DATE:	
P. Jagoda		1/30/20
P. Jagoda CHECKED BY:	DATE:	1/30/20





LOGAN STATE PARK	
LOCATION AND DRAWING INDEX	









J. Maxwell		1/28/20
DRAWN BY:	DATE:	
P. Jagoda		1/30/20
CHECKED BY:	DATE:	

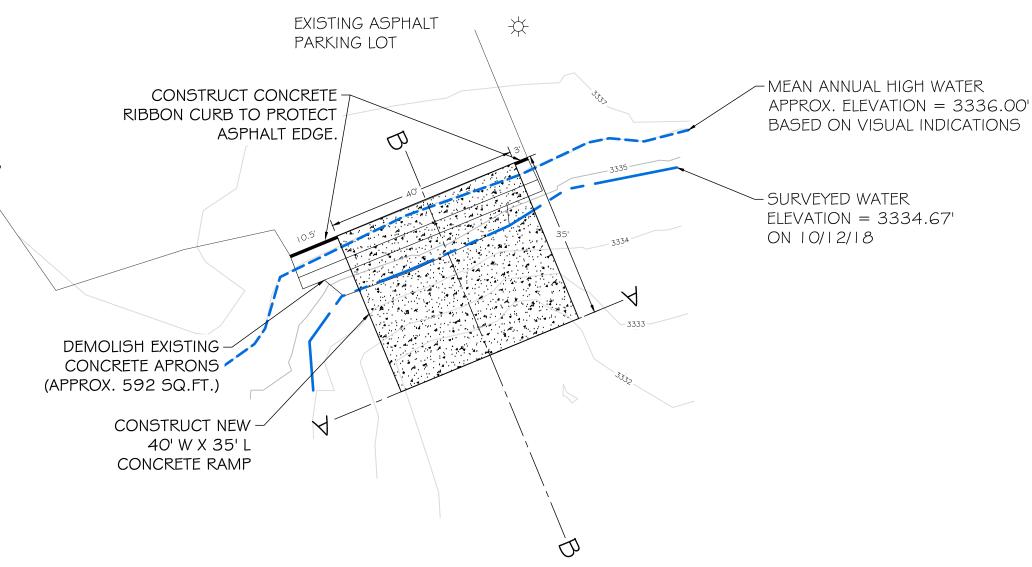
APPROVED BY:



MONTANA FISH, Logan State Park - Boat Ramp Improvements WILDLIFE & PARKS Existing Conditions

GENERAL CONSTRUCTION NOTES:

- I. DEVIATIONS FROM THESE PLANS ARE NOT ALLOWED WITHOUT PRIOR APPROVAL FROM ENGINEER AND PERMITTING AGENCIES.
- 2. COMPLY WITH TERMS OF ALL PERMITS PROVIDED IN SPECIAL PROVISIONS.
- 3. IMPLEMENT APPROPRIATE BMPs PRIOR TO BEGINNING WORK.
- 4. UTILIZE WATER-INFLATED BLADDER TYPE COFFER DAMS TO ISOLATE WORK AREA FOR DEWATERING.
- 5. DISPOSE OF DEMOLISHED CONCRETE AND EXCESS EXCAVATED MATERIALS OFF-SITE. AT LOCATION DETERMINED BY CONTRACTOR.
- 6. STAGE EQUIPMENT AND MATERIALS IN PARKING AREA. PROVIDE PORTABLE TOILET AND TRASH RECEPTACLES FOR CONTRACTOR USE.
- 7. REFER TO SPECIAL PROVISIONS AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.



TOPOGRAPHICAL SURVEY IS BASED ON MONTANA STATE PLANE ZONE 2500. NAD83/NAVD88 DATUM.





REVISED BY: DATE:

APPROVED BY: DATE:

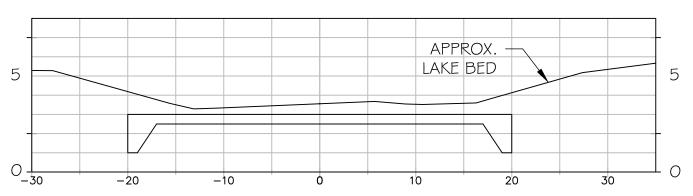
J. Maxwell		1/28/20
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P. Jagoda		1/30/20
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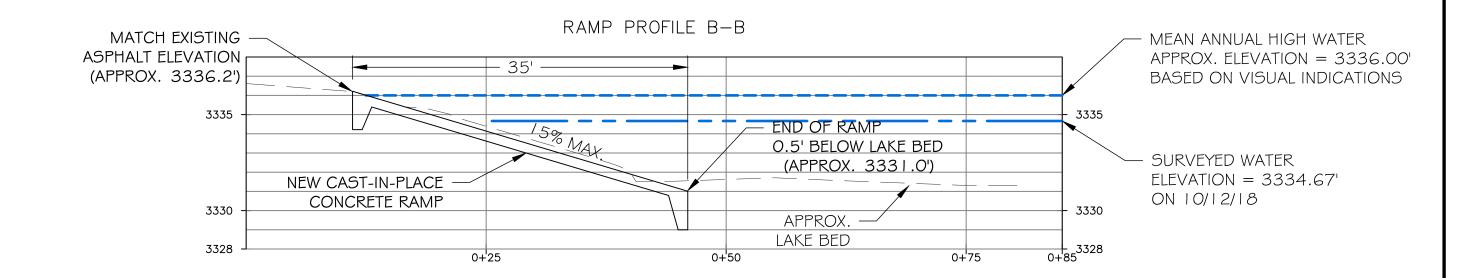
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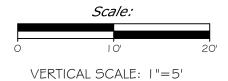
MONTANA FISH,	Logan
MONTANA FISH, WILDLIFE & PARKS	Ramp Sit

State Park - Boat Ramp Improvements ite Plan

RAMP SECTION A-A (END OF RAMP)





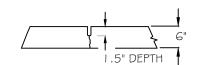


J. Maxwell		1/28/20	
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P. Jagoda		1/30/20	
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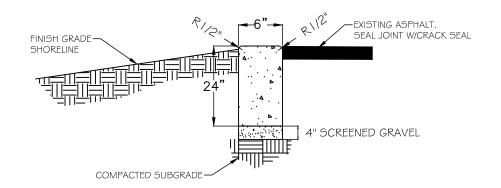
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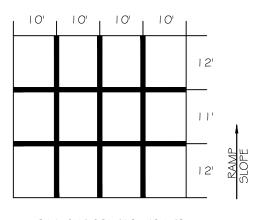
MONTANA FISH, Logan State Park - Boat Ramp Improvements Ramp Cross-Sectional Views



CONTROL JOINT DETAIL

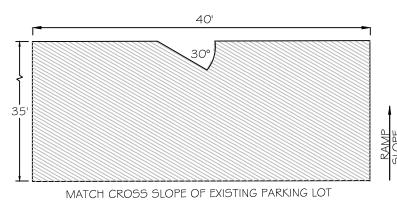


RIBBON CURB DETAIL

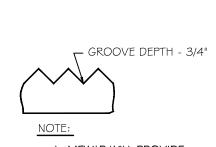


SAW CUT CONTROL JOINTS

SLAB CONTROL JOINT PLAN PLAN VIEW

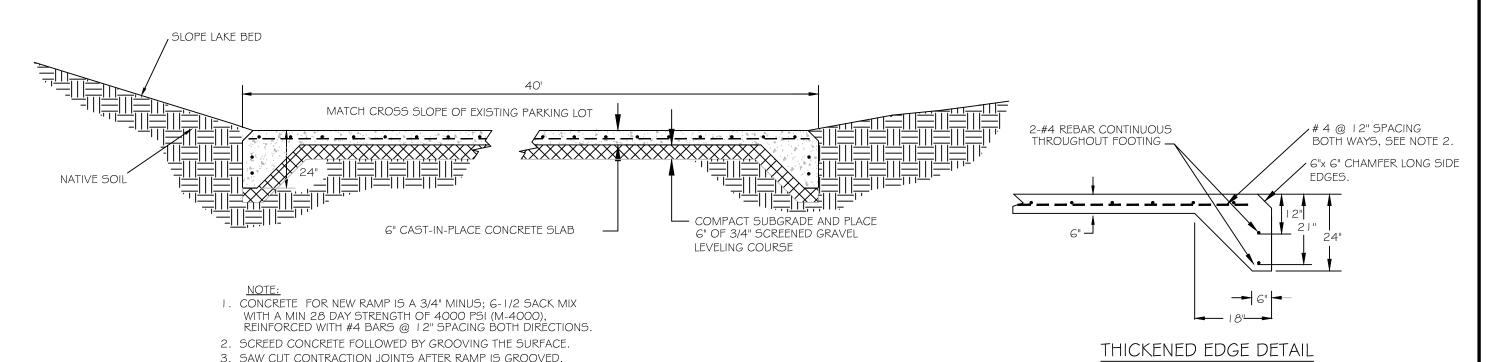


GROOVED SURFACE PLAN PLAN VIEW



I. MFW&P WILL PROVIDE

GROOVING TOOL



NOTES.

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P. Jagoda		1/30/2
CHECKED BY:	DATE:	



Scale:



CAST-IN-PLACE CONCRETE

SECTION A-A'

MONTANA FISH, Logan State Park - Boat Ramp Improvements Ramp Details

3. PROVIDE EXPANSION JOINT MATERIAL ALONG COLD JOINT CONNECTIONS.

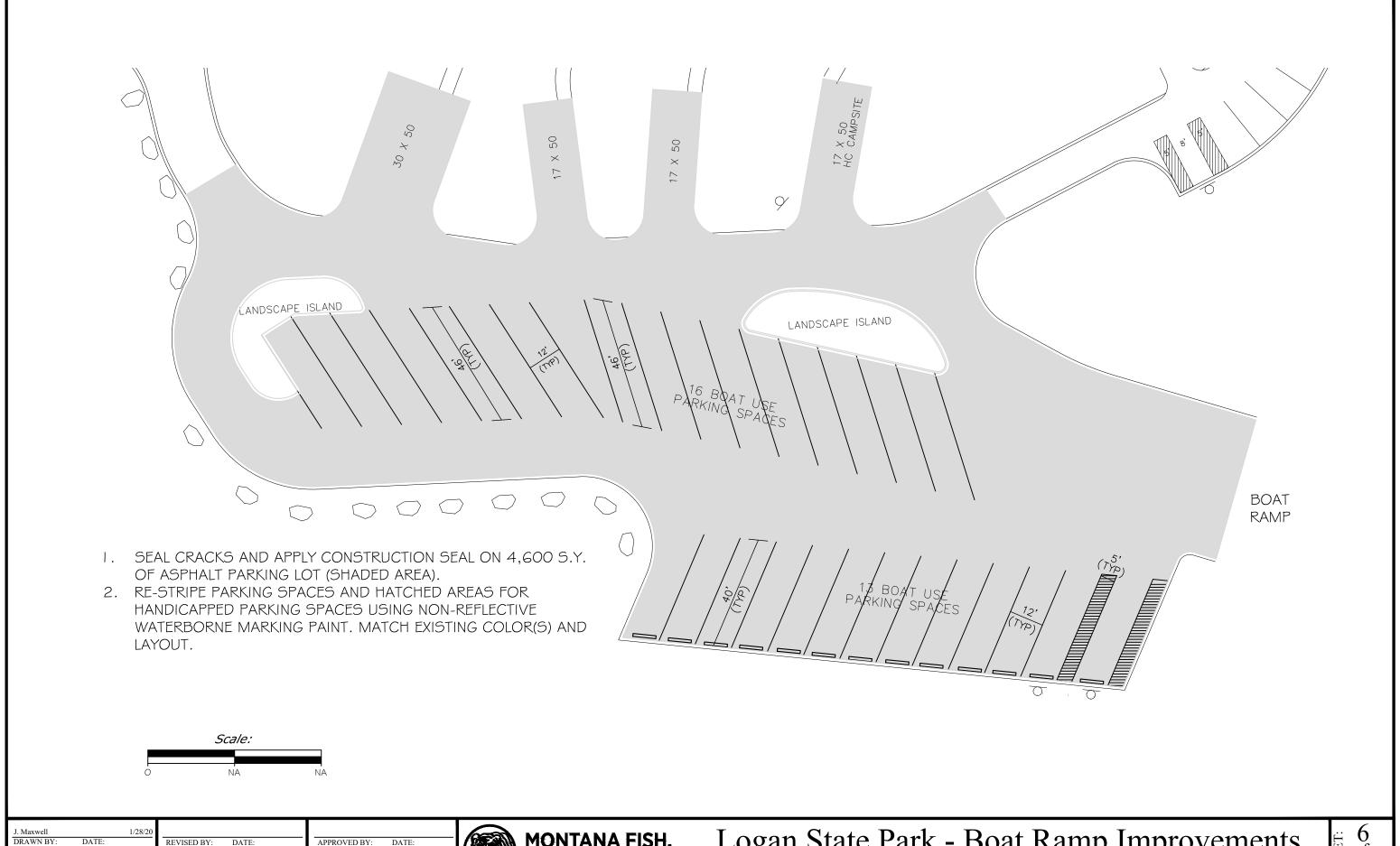
6. PROVIDE $2\frac{1}{2}$ CLEAR COVER FOR ALL REBAR REINFORCEMENT.

I. CONTINUE THICKENED EDGE FOOTING AROUND ENTIRE PERIMETER OF CAST-IN-PLACE CONCRETE.

2. EXTEND AND EXPOXY #4 BARS MIN 20" (I 2" O.C.) IN EXISTING CONCRETE CONNECTIONS.

4. NO CHAMFER ALONG SIDEWALK/BULKHEAD/EXISTING CONCRETE/ASPHALT CONNECTIONS. 5. SAW CUT EXISTING ASPHALT STRAIGHT BEFORE PLACING CONCRETE; SEAL JOINT W/CRACK SEAL.

FOR CAST IN PLACE RAMP



J. Maxwell		1/28/20
DRAWN BY:	DATE:	
P. Jagoda		1/30/20
r. Jagoda		1/30/20
CHECKED BY:	DATE:	1/30/20

APPROVED BY:

APPROVED BY: APPROVED BY:



MONTANA FISH, Logan State Park - Boat Ramp Improvements WILDLIFE & PARKS Parking Lot Seal and Stripe